

19230

Department of Excise

OFFICE of the Commr.

STATION Madras.

R No. 1473 Abk-

Dated 4-7-30

Given for copying

Copied *5/7*

Examined

Signed

Given for despatch

Despatched

Indexed

To be destroyed on*

Date

Initial.

5-7-30
16-2-41.

He
-



Revenue Department.



R2-3 up
Excise (South Kanara)- Power or Industrial alcohol ^{Manufacture} from cashew fruits - From the Honorary Secretary, District Advancement Association, South Kanara dated 28th May 1930.

6292
Endorsement No.52 D/30-3 dated 9th J u n e, 1930.

1119-20 (N)
Referred to the Commissioner of Excise for favour of remarks with reference to his proceedings R.No.907 Abk.30 dated 11th April 1930.

H.R.Pate,
Secretary to Government.

To the Commissioner of Excise (with enclosures)

F o r w a r d e d
(By Order)

Dhathannamm Pillai
Superintendent. 10.6.30
Km

Copy of letter from the Honorary Secretary, District Advancement Association, South Kanara, Mangalore, dated the 28th May 1930.

1. With reference to your letter No. 52-D/30-2, dated 28th April 1930, I have the honour to inform you that I am not in possession of any statistics regarding the manufacture of power alcohol from cashew fruit. But the number of cases relating to the preparation of illicit Alcohol in this District, detected by the Abkari department show that the manufacturers of illicit alcohol prefer to prepare it out of cashew, instead of ~~sugger~~ cane which also grows plentifully in this district. The local Abkari officers have in their custody the several kinds of apparatus used by the villagers in the preparation of alcohol from cashew fruit and further they will be able to throw some light as to the quality of the alcohol produced and the cost of production. I would therefore, suggest that particulars may be called for by government from the Abkari officers in this district.

2. The process is very simple, the fully ripe fruits are put into a pot and a heavy stone is placed upon them, and the pot is put away for three days. By that time the fruit decomposes a little, and much of the juice is pressed out into the vessel itself. Then the contents of this vessel are transferred to another vessel and squeezed well and left there for three more days, at the end of which the juice is strained out into another vessel and buried in the ground, and left there for three days, when it ferments thoroughly and is ready for distillation. The process of distillation also is very crude and carried out in earthen pots. It is said that about 300 ripe fruits ~~yield~~ yield about two bottles of alcohol over proof and one bottle under proof. The cost of the three hundred fruits is quite negligible as at present, generally owners of the gardens allow persons to pluck

the

Copy of letter from the Honorary Secretary, District Advancement Association, South Kanara, Mangalore, dated the 28th May 1930.

1. With reference to your letter No. 52-D/30-2, dated 28th April 1930, I have the honour to inform you that I am not in possession of any statistics regarding the manufacture of power alcohol from cashew fruit. But the number of cases relating to the preparation of illicit Alcohol in this District, detected by the Abkari department show that the manufacturers of illicit alcohol prefer to prepare it out of cashew, instead of ~~sugger~~ cane which also grows plentifully in this district. The local Abkari officers have in their custody the several kinds of apparatus used by the villagers in the preparation of alcohol from cashew fruit and further they will be able to throw some light as to the quality of the alcohol produced and the cost of production. I would therefore, suggest that particulars may be called for by government from the Abkari officers in this district.

2. The process is very simple, the fully ripe fruits are put into a pot and a heavy stone is placed upon them, and the pot is put away for three days. By that time the fruit decomposes a little, and much of the juice is pressed out into the vessel itself. Then the contents of this vessel are transferred to another vessel and squeezed well and left there for three more days, at the end of which the juice is strained out into another vessel and buried in the ground, and left there for three days, when it ferments thoroughly and is ready for distillation. The process of distillation also is very crude and carried out in earthen pots. It is said that about 300 ripe fruits ~~yield~~ yield about two bottles of alcohol over proof and one bottle under proof. The cost of the three hundred fruits is quite negligible as at present, generally owners of the gardens allow persons to pluck

the

the fruit and take it gratis, provided they give the owner the nut.

3. It would thus appear, that no chemicals at all need be used for preparing alcohol from cashew fruits. On the other hand, I hear that yeast, sulphuric acid, sulphate of ammonia and other chemical ingredients have to be employed to extract alcohol from molasses and these chemicals are generally costly. There is the further fact to remember that the percentage of alcohol available in molasses is bound to be low as sugar or jaggery has already been extracted, before the sugar canes are reduced to molasses, while in the case of the cashew fruit the whole of the juice is available for conversion into alcohol.

4. I might also mention that Mangalore is the chief exporting centre in the whole of India for cashew-nut and several big factories have newly sprung up, and are employing several thousands of work men on this industry all through the year. About one thousand two hundred and odd tons of cashew-nuts appear to have been exported last year, and the industry bids fair to compete with the coffee trade in the Mangalore port in the near future.

5. I have just received a letter from the Director of Industries, Madras, asking me to send some cashew fruit to the Director of the Tata's research institute, Bangalore, for conducting the experi-

The season was over by the end of April. If at all, I may send a few fruits, the last of the season which I shall send before the end of the week. The results obtained at the Tata's Institute will be awaited.

4

C.R. 6292 / Abk-20.

Power or Industrial Alcohol - South Kanara

Dt - manufacture from Cashew fruits.

Please see Gnd. Inst. at p1 c.f.

It is C.P. No. 986/Abk 2. 11.4.30 it was reported to Gnd. that it would be of advantage if power spirit could be manufactured from Cashew fruits in sufficient quantities and that ^{in the absence of statistics to say} it was doubtful if it would be possible to make power spirits on a commercial scale and at a price below that of power spirits in the market.

A copy to Gnd
/ The further letter from the Hon. Secy. Dt. Advancement Association, S. Kanara, in this matter is at H 2-3 c.f. and this has been forwarded here for remarks. ~~Thereafter~~ The points raised therein are dealt with below.

In para 1 of the letter it is stated that the local Abk. officers will be able to throw some light as to the quality of the alcohol produced from Cashew fruits and the cost of production, and that the purchasers may be called for from them.

The information that the local officers may have in this matter will be only vague and will not be sufficient for the object in view.

To estimate the cost of
V13. From manufacture of industrial or power alcohol
from Cashew fruits. Ref. is in this connection
submitted to the notes at p 10 & 11. The value is
a rough estimate of the cost of 1 gallon of
35° A.P. Cashew anise has been arrived at.
The local officers will not be able to give
any information beyond this, made in this matter.
What is actually required is the definite
cost of producing one gallon of power spirit
which the Association proposes to substitute for
the power spirits now available in the market.
This can be ^{known} known only after actual experiment.

In para 2 of the letter a brief description
of the existing mode of ^{distilling liquor} distillation from Cashew
fruits is given. This serves no purpose.

to send to the Tata Research Institute, Bangalore,
a quantity of prints for experimental ~~at the~~

As further progress in this matter cannot
be made before ^{examining the result of the experiment &} ascertaining the actual
Cost of manufacture, the ~~same~~ Govt. may be
informed accordingly and they may be
requested to direct the Secy. to report in detail
the result of the experiment to this office.

The letter from the Secretary, Dist. Advancement
Association S. Kanare, Bangalore, was as

SB
30/16

referred to the A.C. West Coast for
report through the D.C.D.

PS
2/7

The
27/3/20
L.S.
2.1.20

Refer Govt to the previous
letter and say that
certain figures are not in
a position to give any further
fructively information which
would assist in forming an
estimate of the cost of
production of power alcohol.
The Secretary may be asked
to furnish the results of the
experiment he is having made.

DRAFT FOR APPROVAL.

Enclosures.

Despatch No.

When given to fair copying

Fair-copied by

Fair-copy compared by

When despatched

Office.

C Register No. 6292, dated 18/4/30

From

Subject.

Power or Industrial alcohol -

S. Kavara Dt. - manufacture

To from Cashew fruits.

THE
Govl. Enst. No. 52/D. 30.-3 Rev.
d 4.6.30.Proc.

In C.P. No. 907/Abk 2.11.4.30.

it has been ^{pointed out} ~~made clear~~ that no
accurate figures ^{are} available to
examine the possibility of making
power spirit from Cashew fruit on
a Commercial scale and at a price
below that of power spirit now on
the market. The local Abk. officers
are not in a position to give any
further trustworthy information which
would assist in forming an estimate
of the Cost of production of power alcohol
from Cashew fruits.

2. The Hony. Secy. Dt. Advancement
Association, S. Kavara may be asked

DRAFT FOR APPROVAL.

Enclosures.

Despatch No.

When given to fair copying

Fair-copied by

Fair-copy compared by

When despatched

Office.

C Register No. 6292, dated 18/4/30

From

Subject.

Power or Industrial alcohol -

S. Kavara dt - manufacture

To from Cashew fruit.

THE
 Govt. Enst. No. 52/D. 30.-3 Rev.
 d 4.6.30.

Proc.

In C.P. No. 907/Abk 2. 11.4.30.
 it has been ^{pointed out} made clear that no
 accurate figures ^{are} available to
 examine the possibility of making
 power spirit from Cashew fruit on
 a Commercial scale and at a price
 below that of power spirit now on
 the market. The local Abk. officers
 are not in a position to give any
 further trustworthy information which
 would assist in forming an estimate
 of the Cost of production of power alcohol
 from Cashew fruit.

2/. The Hony. Secy. Dt. Advancement
 Association, S. Kavara may be asked

to furnish the results of the experiments
he is having made

kg ΔB
4730 4.7.30

SE
417
28
417

To The Secy. to Govt. Rev. de

Superintendent
5.7.30



Received

19

Registered

19

Abstract.

Excise (South Kanara) - Power or industrial alcohol - Manufacture
from Cashew fruits - Possibilities.

Revenue DEPARTMENT.

G.O. No Ms. 1322,

dated the 12th July 1930.

READ the following paper :—

ENCLOSURES.

No.

Memorandum to the Commissioner of Excise, No.52 D/30-1,
dated the 23rd January 1930. (2) p1

From the Commissioner of Excise, R.No.907 Abk/30,
dated the 11th April 1930. (2) pp19-20.

Letter to the Secretary, District Advancement Association,
South Kanara, No.52 D/30-2, dated the 28th April 1930.

From the Honorary Secretary, District Advancement Association,
South Kanara, dated the 28th May 1930.

Endorsement to the Commissioner of Excise, No.52-D/30-3,
dated the 9th June 1930.

From the Commissioner of Excise, R.No.1473 Abk/ dated
4th July 1930. (X) pp7-8.

O R D E R.

R E C O R D E D.

2. The Honorary Secretary, District Advancement Association, South Kanara, is requested to report, in due course, the result of the experiment referred to in paragraph 5 of his letter dated the 28th May 1930.

(By Order of the Government, Ministry of Public Health)